

Application No. 09/925,881  
Amendment dated JANUARY 28, 2005  
Reply to Final Office Action dated October 28, 2004

### Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### Listing of Claims

1 – 24. (Canceled)

25. (Currently Amended) A guidewire system, comprising:

a first wire including a body member comprising a wall defining a lumen, and a female threaded member disposed within the lumen proximate a first end of the body member; and

a second wire including a second body member having a second end, and an engagement structure a male thread adapted to threadingly engage the female thread of the first wire, the male thread being disposed about the body member of the second wire proximate the second end of the second wire;

~~wherein the engagement structure is a male thread disposed about the body member of the second wire proximate the second end thereof and wherein~~ includes a first portion and a second portion, wherein the second portion of the male thread of the first wire is more deformable than the first portion adapted to deform when the male thread threadingly engages the female thread of the first wire.

26-29. (Canceled)

30. (Currently Amended) A guidewire system comprising:

a first wire member including a body defining a lumen, and a female thread disposed within the lumen proximate an end of the first wire member; and

a second wire member including body member having a male thread disposed about the body member proximate an end of the second wire member, the male thread adapted to threadingly engage the female thread and including a first portion and a second portion which

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is different from the first portion, the second portion ~~being adapted to be~~ more deformable than the first portion ~~when the male thread is threaded into the female thread.~~

31. (Previously Presented) The guidewire system of claim 30, wherein the deformation of the second portion of the male thread acts to inhibit rotation of the first member relative to the second member.

32. (Previously Presented) The guidewire system of claim 30, wherein the second portion of the male thread includes a different thread pitch from the first portion of the male thread.

33. (Previously Presented) The guidewire system of claim 30, wherein the second portion of the male thread includes a different thread size from the first portion of the male thread.

34. (Previously Presented) A guidewire system, comprising:  
a first wire having a first end;  
a second wire having a second end; and  
means for coupling the first end of the first wire to the second end of the second wire, the means including a female thread and a male thread adapted to threadingly engage, the male thread including a first portion and a second portion that is different from first portion and that is adapted to deform when threadingly engaged with the female thread.